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IN THE CLAIMS:

Please amend the claims as shown in the following claim listing.

CLAIM LISTING:

1. (Cancelled).
2. (Cancelled).
3. (Cancelled).
4. (Cancelled).
5. (Cancelled).
6. (Cancelled).
7. (Cancelled).
8. (Cancelled).
9. (Cancelled).
10. (Cancelled).
11. (Cancelled).

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12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Cancelled).

18. (Cancelled).

19. (Currently Amended) An apparatus for forming a non-woven fabric product having substantially perpendicular warp yarns and weft yarns, said apparatus comprising in combination:

a warp yarn support system including an elongated substantially cylindrical support structure extending along the length of said warp yarns and having a low-friction, substantially cylindrical outer surface;

an endless belt extending along the length of said warp yarns and movable along the length of said support structure;

a supply of elongated parallel warp yarns that are positioned side-by-side upon said endless movable belt along the length of said support structure and that have a coating of adhesive at least on their exposed surfaces, preferably only on their exposed surfaces;

a delivery system for weft yarn including: a drum mounted for rotation about said support structure, about said endless belt and about said warp yarns, power means for

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rotating said drum about said support structure endless belt and warp yarns, at least one source of supply of said weft yarn mounted on said drum for rotation therewith, and a guide system for delivering said weft yarn from said source of supply of said weft yarn to said adhesive coated outer surface of said warp yarns upon rotation of said drum, such that said weft yarn is wrapped about said warp yarns in substantially perpendicular relationship therewith;

a driven system that is operatively connected to said endless belt for moving said warp yarns along the length of said support structure and through said weft yarn delivery system;

a heater for activating said adhesive to bond yarns, between which is said adhesive; and

a conical alignment guide which is positioned immediately adjacent, preferably ~~downstream~~, of said drum and immediately adjacent to, and about, said warp yarns, and about which said weft yarn is wound prior to falling down upon, and being wound about, said warp yarns and said coating of adhesive on said exposed surfaces of said warp yarns.

20. (Previously Presented) The apparatus of claim 19 wherein the parallel warp yarns have a coating of adhesive only on their exposed surfaces.

21. (Currently Amended) The apparatus of claim 19 wherein said conical alignment guide is stationary and has a sloped surface, facing in the direction of movement of said warp yarns.

22. (Previously Presented) The apparatus of claim 21 wherein said conical alignment guide has a sloped surface of about 30 to 60 degrees.

23. (Previously Presented) The apparatus of claim 23 wherein said conical alignment guide has a sloped surface of about 45 degrees.

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24. (Currently Amended) The apparatus of any one of claims 19-23 and 45, wherein said conical alignment guide is a final guide for guiding a rotating weft yarn on to said warp yarns in substantially perpendicular alignment.

25. (Previously Presented) The apparatus of claim 24 wherein said source of supply of said weft yarn is a spool or cone of a weft yarn.

26. (Previously Presented) The apparatus of claim 25 wherein said source of supply of said weft yarn is a plurality of spools of weft yarns that are mounted on said drum in circumferentially spaced relationship.

27. (Previously Presented) The apparatus of claim 26 wherein said drum comprises a hollow ring which surrounds said support structure, which has said plurality of spools of said weft yarns mounted away from said support structure and which has a radial disk that is spaced away said plurality of spools and that surrounds said conical alignment guide, so that said weft yarns extend from said plurality of spools to said disk and then vertically to said conical alignment guide.

28. (Previously Presented) The apparatus of claim 27 wherein said radial disk is downstream from said plurality of spools and said weft yarns extend downstream from said plurality of spools.

29. (Currently Amended) The apparatus of claim 24 26 wherein said weft yarns are wrapped about said warp yarns so as to establish 40-140 wraps of said weft yarns per inch along the length of said warp yarns.

30. (Currently Amended) The apparatus of claim 29 27 wherein said weft yarns are wrapped about said warp yarns so as to establish 40-100 wraps of said weft

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yarns per inch along the length of said warp yarns.

31. (Previously Presented) The apparatus of claim 29 wherein said warp yarns have a density of 40-140 yarns per inch.

32. (Previously Presented) The apparatus of claim 30 wherein said warp yarns have a density of 40-100 yarns per inch.

33. (Previously Presented) The apparatus of claim 24 wherein said heater is downstream from said weft yarn delivery system.

34. (Previously Presented) The apparatus of claim 26 wherein said heater is downstream from said weft yarn delivery system.

35. (Previously Presented) The apparatus of claim 27 wherein said heater is downstream from said weft yarn delivery system.

36. (Previously Presented) The apparatus of claim 24 wherein a driven take-up system is downstream from said weft yarn delivery system and is operatively connected to said warp yarns for moving said warp yarns along said support structure and through said warp yarn delivery system.

37. (Previously Presented) The apparatus of claim 26 wherein a driven take-up system is downstream from said weft yarn delivery system and is operatively connected to said warp yarns for moving said warp yarns along said support structure and through said warp yarn delivery system.

38. (Previously Presented) The apparatus of claim 27 wherein a driven

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take-up system is downstream from said weft yarn delivery system and is operatively connected to said warp yarns for moving said warp yarns along said support structure and through said warp yarn delivery system.

39. (Previously Presented) The apparatus of claim 24 which further comprises a cooler, downstream of said heater, to set said adhesive that bonds weft and warp yarns, between which is said adhesive.

40. (Previously Presented) The apparatus of claim 26 which further comprises a cooler, downstream of said heater, to set said adhesive that bonds weft and warp yarns, between which is said adhesive.

41. (Previously Presented) The apparatus of claim 27 which further comprises a cooler, downstream of said heater, to set said adhesive that bonds weft and warp yarns, between which is said adhesive.

42. (Previously Presented) The apparatus of claim 24 wherein said heater adhesively bonds said wrapped weft yarn to said warp yarns to form a cylindrical fabric and wherein said apparatus further comprises, downstream of said heater, means, for cutting said cylindrical fabric into a flat fabric.

43. (Previously Presented) The apparatus of claim 42 wherein said means for cutting is a rotary cutter.

44. (Previously Presented) The apparatus of claim 24 wherein said driven system for said endless belt and said power means for rotating said drum are independently operated and at least one is variably driven such that the angle of wrap of said weft yarn relative to said warp yarns is variable.

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45. (New) The apparatus of claim 20 wherein said conical alignment guide is downstream of said drum.

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